



Tech Info Library

Apple IIGS: System Diagnostic Errors

Revised: 11/10/88
Security: Everyone

Apple IIGS: System Diagnostic Errors

=====

This article last reviewed: 10 November 1988

Here's the currently available, though incomplete, list, with explanations, of error codes generated by the Apple IIGS when running system diagnostics for the Apple II Family (V1.0B1).

Apple IIGS error codes have the form AABBCDD.

Test numbers AA

Error Code (AA)	Test
"RM"/01	Checksum
02	RAM Moving Inversions
03	Softswitch
04	RAM Address
05	FPI Speed
06	Serial I/O
07	Real Time Clock
08	Battery RAM
09	Front Desk Bus
0A	Shadowing
0B	Interrupts

AA=06 serial test

BB Meaning

--	-----
01	Register R/W
04	Tx Buffer empty status
05	Tx Buffer empty failure
06	All sent status fail
07	Rx char available
08	Bad data

AA=03 RAM test

BBCC= Address

AA=01 ROM Checksum

BB= Failed checksum

DD=1 Bad RAM

AA=05 Speed

BB=1 speed stuck slow

BB=2 speed stuck fast

AA=08 Battery RAM

BB=01 address test failure and CC= bad address

BB=02 memory failure and CC = pattern, DD = Address

AA=02 Softswitches

Bb= Statereg bit

CC= Read softswitch address

AA=04 Front Desk Bus

BBCC= Bad checksum found

DD=01 FDB toolcode encountered a fatal error and no checksum computed

AA=04 Ram Address

BB= failed bank No

CC= failed bit

AA=06 Clock Test

BBCCDD=not used

DD=01 a fatal error occurred after the test to within a second

AA=0A shadow register functionality

AA=0B Mega II and VGC capability of generating interrupts.

BB=01 VBL interrupt timeout

BB=02 VBL IRQ status fail

BB=03 1/4 SEC interrupt

BB=04 1/4 SEC interrupt

BB=05 ---

BB=06 VGC IRQ

BB=07 SCAN Line

Copyright 1988 Apple Computer, Inc.

Tech Info Library Article Number:2233